

Product datasheet for **RG234274**

TMEM200A (NM_001258278) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	TMEM200A (NM_001258278) Human Tagged ORF Clone
Tag:	TurboGFP
Symbol:	TMEM200A
Synonyms:	KIAA1913; TTMA; TTMC
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)



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ORF Nucleotide Sequence:

>RG234274 representing NM_001258278
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGCATCGCC**

ATGATAGCAACTGGTGGAGTGATAACTGGCCTGGCCGCTTGAAAAGCCAAGACTCTGCCAGATCACAGC
 AGCATGTCAACCTCAGCCGCTCCTGCTACCCAAGAGAAGAAGCCCATCAGGCGCCGGCCCGGGCAGA
 TGTTGTGGTTGTTCTGTTGCAAAAATCCGGCTTTATTCCCCATCTGGTTTTTTTTCTATTTTAGGAGTGCTC
 ATCTCCATTATAGGAATTGCTATGGCCGTTCTTGGATATTGGCCCCAAAAAGAACATTTTATTGATGCTG
 AAACAACACTGTCAACAAATGAACTCAGGTCAATCGAATGAAGGCGGTGTGGTGGTTCGCTTCTTTGA
 GCAGCATTGCAATCTGATAAGATGAAATGCTTGGCCATTACCATGGGGATTGGCATTTCATTTTC
 ATTTGTGCTAATGCCATTCTTCATGAAAACCGTGACAAAGAGACCAAAATCATACACATGAGGGATATCT
 ATTCCACAGTCATTGACATTCACACGCTAAGAATCAAGGAGCAAAGCAAATGAACGGCATGTACACTGG
 TTTGATGGGAGAAACAGAAGTAAACAGAATGGGAGCTCCTGTGCCTCGAGATTGCCAGCAAATACGATC
 GCCTCTTTCTCGGTTTTTCGGAGCAGTTTTCGAATGGACAGCTCCGTGGAGGAGGATGAACCTATGTTAA
 ATGAAGGTAAGAGTTCTGGGCATCTTATGCCCCCTTTGCTCTCTGACAGCTCTGTGTCTGTCTTTGGCCT
 CTATCCACCTCCTTCCAAGACAACCTGATGATAAGACCAGCGGCTTAAGAAATGTGAAACCAAGTCAATT
 GTGTCACTCGTCCATCAGTGCTTTTACATTGCTGTGATCAAACCTAATAACTGTGTTATTGATGAGCCCA
 GTATAGATAACATCACTGAAGATGCTGACAACCTCAAAGTAGGTCAAGGAATTTGTCAATGGATTCCCT
 TGTGGTTCCTTTGCCAACACCAGTGAATCCTCCAGCCCGTCAGCACAGTGCTACCAAGGAATAATTCC
 ATTTGGGAGTCGTTGTCGAGTCAGTACAAGTCATCTATGGCTCTCGGACCTGGGGCTGGACAGCTCTTGT
 CTCTGGGGCTGCCAGAAGACAGTTCGGTCCAATACATCCTTGCATTGCTCTCGTCAACTCAAAGTC
 CTTGGACTTAGACCGGGTCCCTCCACTCTAAGTGTTCAGGCAGAACACGGAAACATCCAAGTTGGCCT
 AGGTTGGATCGGAACAACAGCAAGGATATATGAACTAGAGAACAAGAAGACCCGATGGATAGGTTGC
 TTGTGCCCAAGTTGCCATCAAAAAGGACTTTACCAATAAGGAGAAGCTTCTTATGATTTCAAGATCTCA
 CAATAATTTGAGTTTTGAACATGATGAGTTTTTGGAGTAACAACCTAAAGAGGGGAACCTCTGAAACAAG
 TTT

ACGCGTACGCGGCCGCTCGAG – GFP Tag – GTTTAA

Protein Sequence:

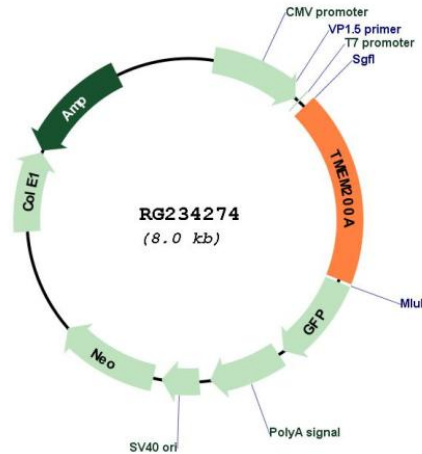
>RG234274 representing NM_001258278
 Red=Cloning site Green=Tags(s)

MIATGGVITGLAALKRQDSARSQQHVNLSPPATQEKKPIRRRPRADVVRGKIRLYSPSGFFLILGVL
 ISIIIGIAMAVLGYWPQKEHFIDAETTLSTNETQVIRNEGGVVVRFQHLHSDKMKMLGPFMTMIGIFIF
 ICANAILHENRDKETKIIHMRDIYSTVIDIHTLRIKEQRQMNGMYTGLMGETEYKQNGSSCASRLAANTI
 ASFSGFRSSFRMDSSVEEDELMLNEGKSSGHLMPPLLSDSVSVFGLYPPPSKTTDDKTSGSKKCEKTSI
 VSSSISAFITLPVIKLNNCVIDEPSIDNITEDADNLKRSRNL SMDSLVVPLPNTSESFQPVSTVLPNNNS
 IGESLSSQYKSSMALGPGAGQLLSPGAARRQFGSNTSLHLLSSHKSLDLDRGPSTLTVQAEQRKHPSPW
 RLDRNNSKGYMKLENKEDPMDRLLVPQVAIKKDFTNKEKLLMISRSHNNLSFEHDEFLLNNLKRGTSETR
 F

TRTRPLE – GFP Tag – V

Restriction Sites:

Sgfl-MluI

Plasmid Map:


ACCN: NM_001258278

ORF Size: 1473 bp

OTI Disclaimer: The molecular sequence of this clone aligns with the gene accession number as a point of reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (e.g. polymorphisms), each with its own valid existence. This clone is substantially in agreement with the reference, but a complete review of all prevailing variants is recommended prior to use. [More info](#)

OTI Annotation: This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.

Components: The ORF clone is ion-exchange column purified and shipped in a 2D barcoded Matrix tube containing 10ug of transfection-ready, dried plasmid DNA (reconstitute with 100 ul of water).

Reconstitution Method:

1. Centrifuge at 5,000xg for 5min.
2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.
3. Close the tube and incubate for 10 minutes at room temperature.
4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.
5. Store the suspended plasmid at -20°C. The DNA is stable for at least one year from date of shipping when stored at -20°C.

RefSeq: [NM_001258278.1](#), [NP_001245207.1](#)

RefSeq Size: 2943 bp

RefSeq ORF: 1476 bp

Locus ID: 114801

UniProt ID: [Q86VY9](#)

Cytogenetics: 6q23.1

Protein Families: Transmembrane